

WHAT IS CLAIMED IS:

1. A vacuum cleaner comprising:

a motor casing to receive a driving motor with an air outlet through which an air from a dust collecting chamber flows;

a cleaner body with a driving chamber which receives the motor casing therein; and an air discharge unit disposed at the cleaner body through which air flows from the motor casing of the driving motor and is discharged to an outside of the driving chamber, to reduce noise by guiding and reversing a discharging direction of the air discharged from the motor casing at least two times.

2. The vacuum cleaner of claim 1, wherein the air discharge unit comprises:

a first and second guide walls forming a front side of the driving chamber, with opposite end portions thereof being stepped to form an air discharge port therebetween; and a filter assembly connected to cover an outer side of the first and second guide walls and to filter air discharged through the air discharge port.

3. The vacuum cleaner of claim 2, wherein the filter assembly comprises:

a grill cover detachably connected to the outer side of the first and second guide walls with a discharging grill portion to discharge the air; and

a sound absorption member formed of a porous material and disposed between the grill cover and the guide walls.

4. The vacuum cleaner of claim 3, wherein the discharging grill portion is formed in misalignment with the air discharge port not to indirectly face each other.

5. The vacuum cleaner of claim 2, wherein a plurality of oblique ribs is formed protruding from the outer side of the first and second guide walls at an interval.

6. The vacuum cleaner of claim 5, wherein the oblique ribs are integrally formed to connect the stepped end portions of the first and second guide walls respectively.

7. The vacuum cleaner of claim 5, wherein the oblique ribs are formed in the same height with respect to the outer side of the guide walls respectively.

8. The vacuum cleaner of claim 6, wherein the oblique ribs are formed in the same height with respect to the outer side of the guide walls respectively.

9. The vacuum cleaner of claim 3, wherein the first guide wall is formed in a plate shape adjacent to the motor casing, and the second guide wall is formed in a round shape farther from the motor casing than the first guide wall so that each of the end portions of the guide walls forms the air discharge port.

10. The vacuum cleaner of claim 9, wherein the air from the motor casing is reversed by the guidance of an inner side of the second guide wall, guided to the outer side of the second guide wall, and flowed to the sound absorption member.

11. The vacuum cleaner of claim 9, wherein the discharging grill portion of the grill cover is formed corresponding to the second guide wall.